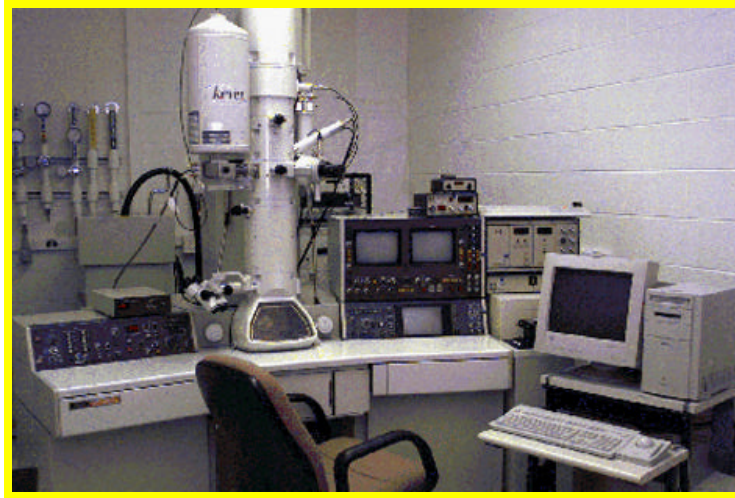


Metallurgical Diagnostics Facility



Objective

The Metallurgical Diagnostics Facility brings together capabilities from the following disciplines, optical microscopy, scanning and transmission electron microscopy, surface analysis, digital photography, metallography, and failure analysis. An experienced staff of civil service and contractor employees is available for consultation and analysis of both metallic and non-metallic materials. This effort will investigate new techniques to expand the capabilities of this facility to support its customers.

Why Needed

The Metallurgical Diagnostic Facility is an essential service organization which supports numerous NASA missions. The facility is necessary to provide real time support of missions and schedule critical programs in need of failure and materials analysis resolutions or applications. The facility is required to advance state-of-the-art materials research for development of new propulsion systems and to analyze materials processed in flight experiments. There is currently no other NASA organization with the compiled capabilities of the Metallurgical Diagnostics Facility.

Point of Contact

Steve Gentz / ED33
Phone: 256-544-2570
Email: steve.gentz@msfc.nasa.gov

Sponsor

In-house Capability